

IEG-368/69
4 December 1969

MEMORANDUM FOR: Chief, Technical Services and Support Group, NPIC
ATTENTION: Test and Evaluation Branch/ESD
SUBJECT: Evaluation of the [] Advanced 918 Light Table

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1. The Imagery Exploitation Group has completed an operational suitability evaluation of the subject light table. The following comments are submitted:

a. Comments received from PI's who operated the table indicate a favorable impression of the Advanced 918 Light Table over the 918 tables presently in use. The spring tensioned film spool holder was highlighted as a very desirable feature. In addition, the knurled handwheel feature for manual precise positioning of film was favorably received. It should be noted that the [] Advanced 918 Light Table was preferred over the [] model.

b. The primary undesirable features commented upon by the majority of PI's are:

- (1) Motorized film transport jerky and imprecise at slow transport speeds.
- (2) Flicker of light source evident at all except the higher ranges of illumination intensities.
- (3) Maximum intensity of the light source is too low.
- (4) Lack of Microstereoscope support/mount precluding complete evaluation.

2. The following recommended modifications to the [] Advanced 918 Light Table could increase the utility of the table.

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- a. Include a stable mount for a microstereoscope.
- b. Increase the maximum illumination intensity of the light to 2500-2800 f/1.

Declass Review by NGA.

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c. The knurled handwheels for manual film transport should be provided with recessed flip out handles for ease of operation and emergency manual back-up to the motorized feature.

3. The preceding comments are forwarded as the final phase of IEG evaluation of the Advanced 918 Light Tables. IEG does not propose to requisition 918 Light Tables; consequently, a program of modification of these tables is not recommended.

Chief, Imagery Exploitation Group
NPIC

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